



AQUOS®

With screen sizes ranging from 32" to 45"*1, the elegant AQUOS® D90U/D50U Series sets the standard for high performance combined with high style. The D90U/D50U Series utilizes the next generation of Sharp's proprietary Advanced Super View/Black TFT Panel with multipixel technology, providing high brightness (450 cd/m²), 1200:1 Contrast Ratio, 6ms response time and wide viewing angles (176°H x 176°V). The 45" and 37" models include Four-Wavelength Backlight System for enhanced color reproduction, as well as full HD spec 1920 x 1080 resolution. The D90U/D50U Series features a sleek titanium cabinet and the 45" and 37" models have detachable speakers. In addition, the included table stand easily removes for wall mounting applications. A full complement of digital interfaces distinguish the D90U/D50U Series: Dual HDMI, DVI-I for PC compatibility, dual DTVLink (1394), RS-232C and HD component video inputs. Optional Wall Mount Brackets are also available: AN-37AG2 (Tilting) and AN-LCGWF (Flat).

Features:

Next-Generation 16:9 ASV LCD Panel from Sharp's state-of-the-art Kameyama factory producing enhanced 1200:1 contrast ratio and 6ms response time.

Four-Wavelength Backlight System (45" and 37" models only) provides enhanced color reproduction with deeper, more vivid reds than previously possible.

Multi-Pixel Technology divides each pixel into two sections and adds an advanced driving system to provide 60% improved color reproduction at wide viewing angles.

Wide Viewing Angles (176H° x 176V°) Sharp's AQUOS viewing angles are so wide, you can view the TV clearly from anywhere in the room!

High Brightness (450 cd/m²) AQUOS Liquid Crystal Televisions are very bright. You can put them anywhere – even near windows, doors or other light sources – and the picture is still vivid.

High Contrast Ratio (1200:1) provides incredible images whether you're watching dark or bright scenes.

Digital Interfaces include dual HDMI inputs, DVI-I for PC compatibility, dual DTVLink (1394), RS-232C for custom installations and HD component video inputs.

Full HD Spec (45" and 37" models only) 1920 x 1080 resolution displays HDTV programs in 1080p with a true 16:9 aspect ratio.

Specifications

Model Number	LC-45D90U	LC-37D90U	LC-32D50U
Screen Size* ¹	45"	37"	32"
Panel Type	Active Matrix (a-si TFT) Advanced Super View LCD		
Pixel Resolution	1920 x 1080		1366 x 768
Brightness	450 cd/m ²		
Lamp Life* ²	60,000 hrs.		
Viewing Angles	176°H x 176°V		
Audio System	10W + 10W		
Tuning System	ATSC / QAM / NTSC		
Contrast Ratio	1200:1		
Aspect Ratio	16:9		
Quick Shoot Response Time	6ms		
Color Temperature	Selectable: 13000°K, 9500°K, 8000°K, 6500°K, 5000°K (values are approximate)		
View Modes	Sidebar, Smart Stretch, Stretch, Zoom, Dot by Dot (for PC), Normal (for PC)		
DVI-I Input	DVI-I x 1		
RS-232C Input	9-pin mini D-Sub x 1		
HDMI Input	HDMI x 2		
HD Component Input	Y/Pr/Pb x 2		
S-Video Input	4-pin DIN x 1		
Composite Video Input (A/V)	RCA x 3		
Audio Inputs	RCA L/R x 3		
Audio Outputs	Optical Digital Audio x 1		
DTVLink	1394 x 2		
Backlight	Four-Wavelength		Three-Wavelength
Limited Warranty* ³	1 year parts and labor		
Cabinet Color	Titanium		
Speakers	Detachable		Fixed
Table Stand	Included		
Optional Wall Mount Brackets	AN-37AG2 (Tilting) AN-LCGWF (Flat)		
Power Consumption AC	TBD	TBD	TBD
TV Dimensions (w x h x d) (in inches)			
TV, Stand and Speakers	44-7/8 x 32-3/4 x 12-3/64	36-39/64 x 28-45/64 x 12-3/64	32-3/64 x 25-5/8 x 12-1/64
TV and Stand	44-7/8 x 32-3/4 x 12-3/64	36-39/64 x 28-45/64 x 12-3/64	–
TV and Speakers	44-7/8 x 30-7/16 x 5-5/64	36-39/64 x 26-9/64 x 4-51/64	32-3/64 x 23-17/64 x 4-7/8
TV only	44-7/8 x 27-21/64 x 5-5/64	36-39/64 x 23-1/32 x 4-51/64	–
TV Weight (in pounds)			
TV, Stand and Speakers	77.2	57.3	45.2
TV and Stand	TBD	TBD	–
TV and Speakers	TBD	TBD	TBD
TV only	TBD	TBD	–
UPC	074000363250	074000363267	074000363274

*¹ Actual screen size 44-17/32" measured diagonally (45), 37-1/64" measured diagonally (37) and 31-1/2" measured diagonally (32).

*² The typical period of time after which the lamp's power output will have decreased by about half, given that the AQUOS is used continuously in a 77°F room under standard lighting and brightness conditions.

*³ See warranty statement included in the product operation manual PDF download at www.sharppusa.com.

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